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5 **MANUAL AND AUTOMATIC ALIGNEMENT OF PAGES**

ABSTRACT

A printing machine has a computer program for aligning pages in a book and

10 printing the book. A user scans pages of a book into a controller or computer where

the pages are converted into a file that is independent of the platform that created

the documents such as portable document formatted (PDF) pages. Each PDF page

comprises content areas of text or graphics or both and non-content areas

surrounding the content areas. The program does not remove the non-content area

15 for any placement purposes and temporarily crops the page to determine the size

(and position) of the content area. During automatic alignment, the program

operates on the files to temporarily crop or remove peripheral, non-content areas and

generate cropped PDF pages of the content areas on the pages of the book. The

cropped PDF files include one image although it may encompass text and graphics.

20 The program may operate in automatic or manual mode.